

Water-Data Report 2009

420815079121401 Local number Cu-10, Falconer NY

Sand and gravel aquifers (glaciated regions)

Ice-contact Deposits

Chautauqua County, NY

LOCATION.--Lat 42°08'15", long 79°12'14" referenced to North American Datum of 1927, Chautauqua County, NY, Hydrologic Unit 05010002, at City of Jamestown Water Works, Falconer.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 232 ft. Upper casing diameter 10 in; top of first opening 130 ft, bottom of last opening 240 ft. Well has filled in from original depth of 240 ft (slotted 130 ft to 140 ft), open end. Elevation of land-surface datum is 1,252.52 ft above NGVD of 1929.

PERIOD OF RECORD.--November 1939 to September 1943, August 1946 to August 1995, and October 1996 to October 2008 (discontinued).

Records for November 1939 to September 1943, August 1946 to September 1976 are unpublished and available in files of the U.S. Geological Survey. Weekly measurements by City of Jamestown personnel until Oct. 13, 1999. Prior to December 14, 1978 type F graphic recorder at same site and datum. Dec. 14, 1978 to Sep. 16, 1982, digital recorder with every fifth day high water-level published. Sep. 1982 to Sep. 1987, twice-daily readings by City of Jamestown personnel, every fifth day water-level published.

REVISED RECORDS.--WDR NY-87-3: 1983-86. WDR NY-91-3: 1988-90.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Water level affected by pumping from municipal well field. Satellite water-level telemeter at station. Station discontinued, October, 2008.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.2 ft above land-surface datum, Mar. 14, 1942; lowest water level measured, 66.6 ft below land-surface datum, Nov. 3, 1971.

EXTREMES FOR CURRENT YEAR.--Highest water level, 10.20 ft below land surface datum, Oct. 21; lowest water level, 19.00 ft below land surface datum, Oct. 29.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
 DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.66	---	---	---	---	---	---	---	---	---	---	---
2	16.72	---	---	---	---	---	---	---	---	---	---	---
3	17.03	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	15.84	---	---	---	---	---	---	---	---	---	---	---
6	15.86	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	15.19	---	---	---	---	---	---	---	---	---	---	---
10	15.36	---	---	---	---	---	---	---	---	---	---	---
11	14.92	---	---	---	---	---	---	---	---	---	---	---
12	14.90	---	---	---	---	---	---	---	---	---	---	---
13	15.10	---	---	---	---	---	---	---	---	---	---	---
14	15.21	---	---	---	---	---	---	---	---	---	---	---
15	15.26	---	---	---	---	---	---	---	---	---	---	---
16	15.24	---	---	---	---	---	---	---	---	---	---	---
17	14.85	---	---	---	---	---	---	---	---	---	---	---
18	14.87	---	---	---	---	---	---	---	---	---	---	---
19	14.90	---	---	---	---	---	---	---	---	---	---	---
20	14.69	---	---	---	---	---	---	---	---	---	---	---
21	14.45	---	---	---	---	---	---	---	---	---	---	---
22	14.75	---	---	---	---	---	---	---	---	---	---	---
23	14.68	---	---	---	---	---	---	---	---	---	---	---
24	14.66	---	---	---	---	---	---	---	---	---	---	---
25	14.85	---	---	---	---	---	---	---	---	---	---	---
26	16.17	---	---	---	---	---	---	---	---	---	---	---
27	17.19	---	---	---	---	---	---	---	---	---	---	---
28	17.95	---	---	---	---	---	---	---	---	---	---	---
29	17.82	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

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